

WHAT IS CLAIMED IS:

1. An electronic apparatus comprising:
  - a communication device that executes communication with an external device;
  - 5 an input device;
  - means for selecting one of a first communication mode and a second communication mode in accordance with an operation of the input device; and
  - means for, when the first communication mode is selected, controlling one-way communication to transmit content data from the communication device to the external device with a first quality and for, when the second communication mode is selected, controlling two-way communication to transmit and receive content data between the communication device and the external device with a second quality which is lower than the first quality.
2. The electronic apparatus according to claim 1, further comprising:
  - 20 a display device; and
  - means for displaying a first icon and a second icon corresponding to the first communication mode and the second communication mode, respectively, on a display screen of the display device,
  - 25 wherein the selecting means includes means for selecting the first communication mode when the first icon is selected by an operation of the input device,

and selecting the second communication mode when the second icon is selected by an operation of the input device.

3. The electronic apparatus according to claim 1,  
5 wherein the controlling means includes means for  
controlling communication between the communication  
device and the external device such that content data  
compression-encoded by a first compression-encoding  
scheme is transmitted from the communication device to  
10 the external device when the first communication mode  
is selected, and content data compression-encoded by  
a second compression-encoding scheme is transmitted  
and received between the communication device and the  
external device when the second communication mode is  
15 selected.

4. The electronic apparatus according to claim 1,  
wherein the controlling means includes means for  
controlling communication between the communication  
device and the external device such that content data  
sampled with a first sampling frequency is transmitted  
20 from the communication device to the external device  
when the first communication mode is selected, and  
content data sampled with a second sampling frequency,  
which is lower than the first sampling frequency, is  
transmitted and received between the communication  
25 device and the external device when the second  
communication mode is selected.

5. The electronic apparatus according to claim 1,  
further comprising means for storing first parameter  
information indicative of a kind of compression-  
encoding to be used in the first communication mode  
and a value of a sampling frequency used in the  
compression-encoding, and second parameter information  
indicative of a kind of compression-encoding to be  
used in the second communication mode and a value of  
a sampling frequency used in this compression-encoding,  
10 wherein the controlling means includes means for  
setting communication conditions for the one-way  
communication in the communication device and the  
external device in accordance with the first parameter  
information when the first communication mode is  
selected, and setting communication conditions for  
the two-way communication in the communication device  
and the external device in accordance with the second  
parameter information when the second communication  
mode is selected.

20 6. The electronic apparatus according to claim 1,  
wherein the external device is a headset including  
a speaker and a microphone,

25 the electronic apparatus further comprises means  
for storing first parameter information indicative of  
communication conditions for transmitting audio data  
with the first quality and second parameter information  
indicative of communication conditions for transmitting

audio data with the second quality, and  
the controlling means includes means for setting  
communication conditions for the one-way communication  
in the communication device and the external device in  
accordance with the first parameter information when  
5 the first communication mode is selected, and setting  
communication conditions for the two-way communication  
in the communication device and the external device in  
accordance with the second parameter information when  
10 the second communication mode is selected.

7. A program for controlling communication with  
an external device, which is stored in a computer-  
readable medium and executed by a computer, comprising:

15 causing the computer to select one of a first  
communication mode and a second communication mode in  
accordance with an operation of an input device of the  
computer; and

20 causing the computer to execute one-way  
communication to transmit content data from the  
computer to the external device with a first quality  
when the first communication mode is selected; and

25 causing the computer to execute two-way  
communication to transmit and receive content data  
between the computer and the external device with a  
second quality, which is lower than the first quality,  
when the second communication mode is selected.

8. The program according to claim 7, further

comprising:

causing the computer to display a first icon and a second icon corresponding to the first communication mode and the second communication mode, respectively,  
5 on a display device of the computer,

wherein the selecting includes causing the computer to select the first communication mode when the first icon is selected by an operation of the input device, and causing the computer to select the second communication mode when the second icon is selected by  
10 an operation of the input device.

9. The program according to claim 7, wherein the executing of the one-way communication includes causing the computer to transmit content data compression-encoded by a first compression-encoding scheme to the external device, and  
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the executing of the two-way communication includes causing the computer to transmit and receive content data compression-encoded by a second compression-encoding scheme between the computer and the external device.  
20

10. The program according to claim 7, wherein the executing of the one-way communication includes causing the computer to transmit content data sampled with a first sampling frequency to the external device, and  
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the executing of the two-way communication includes causing the computer to transmit and receive

content data sampled with a second sampling frequency, which is lower than the first sampling frequency, between the computer and the external device.

11. The program according to claim 7, wherein the  
5 executing of the one-way communication includes causing the computer to execute the one-way communication in accordance with first parameter information indicative of a kind of compression-encoding to be used in the first communication mode and a value of a sampling frequency used in the compression-encoding, and

10  
15 the executing of the two-way communication includes causing the computer to execute the two-way communication in accordance with second parameter information indicative of a kind of compression-encoding to be used in the second communication mode and a value of a sampling frequency used in this compression-encoding.

12. The program according to claim 7, wherein the  
external device is a headset including a speaker and  
20 a microphone,

the executing of the one-way communication includes causing the computer to execute the one-way communication in accordance with first parameter information indicative of communication conditions for transmitting audio data with the first quality, and

25 the executing of the two-way communication includes causing the computer to execute the two-way

communication in accordance with second parameter  
information indicative of communication conditions for  
transmitting audio data with the second quality.